

# UNICO<sup>R</sup>

Without external unit



UNICO<sup>R</sup> 8.5 HP EH Code 01360

UNICO<sup>R</sup> 11.5 HP EH Code 01310

## FIXED AIR CONDITIONER WITH WARM<sup>R</sup> HEATING SYSTEM WITHOUT OUTDOOR UNIT

### FEATURES

Two power models: 2.1 kW - 2.6 kW

Integrated electrical heater

Double class A

Ecologic gas R410A

Installation versatility: High or low wall-installation.

Easy to install: Unico can be installed in a few minutes, with no outside work required.

Wireless wall control (optional)

Multi-function remote control

24h timer

### FUNCTIONS

Dehumidification only function

Auto function: adjusts operation parameters based on ambient temperature

Sleep function: gradually increases the temperature setting and guarantees reduced noise level for greater comfort during the night.



### NO OUTDOOR UNIT

Our patented Unico technology has made it possible to combine into a single unit what is traditionally divided into two, outdoor motor and split unit indoor; this respects the original spirit of the buildings, blending in perfectly with the architecture and substantially simplifying projects. All you see on the outside of the building are the two air aspiration and exhaust grilles.



CLASSIC SYSTEM

UNICO



### WARM<sup>R</sup> SYSTEM

For outdoor temperatures below 2°C approx., heating is obtained by activating the electrical heaters and fan only. For temperatures above 2°C approx. heating is obtained by means of a heat pump. Control of both modes is completely automatic.



### PURE SYSTEM 2

A multi-filtering system combines an electrostatic filter (which removes small particles such as smoke, dust, pollen, pet hair to prevent allergic reactions) with an activated carbon filter (which eliminates bad odours and inactivates any harmful gas that may be present)

TECHNICAL DATA - UNICO<sup>R</sup>



Model			UNICO R 8,5 HP EH	UNICO R 11,5 HP EH
Code			01360	01310
Rated cooling power (1)	Prated	kW	2,1	2,6
Rated heating power (1)	Prated	kW	2,1	2,5
Rated absorbed power in cooling mode (1)	PEER	kW	0,8	0,9
Rated absorption in cooling mode (1)		A	3,4	4,3
Rated absorbed power in heating mode (1)	PCOP	kW	0,7	0,8
Rated absorption in heating mode (1)		A	2,9	3,5
Rated energy efficiency index (1)	EERd		2,7	2,7
Rated efficiency coefficient (1)	COPd		3,1	3,1
Energy efficiency class in cooling mode (1)			A	A
Energy efficiency class in heating mode (1)			A	A
Energy consumption for double duct units (1) in cooling mode	QDD	kWh/h	0,8	0,9
Energy consumption for double duct units (1) in heating mode	QDD	kWh/h	0,7	0,8
Power supply voltage		V-F-Hz	230-1-50	230-1-50
Minimum/maximum power supply voltage		V	198 / 264	198 / 264
Maximum absorbed power in cooling mode (1)		W	890	1080
Maximum absorption in cooling mode (1)		A	3,9	4,8
Maximum absorbed power in heating mode (1)		W	850	1055
Maximum absorption in heating mode (1)		A	3,8	4,7
Maximum absorbed power with electrical heater		W	2000	2000
Maximum absorption with electrical heater		A	8,7	8,7
Dehumidification rate		l/h	0,9	1,1
Air flow rate in cooling mode (max/med/min)		m³/h	490 / 430 / 360	490 / 430 / 360
Air flow rate in heating mode (max/med/min)		m³/h	410 / 350 / 270	490 / 400 / 330
Ambient air flow rate with electrical heaters		m³/h	490	490
External air flow rate in cooling mode (max/min)		m³/h	520 / 350	500 / 340
External air flow rate in heating mode (max/min)		m³/h	520 / 350	500 / 340
Indoor ventilation speed			3	3
Outdoor ventilation speed			3	3
Diameter of wall holes		mm	202**	202**
Electrical heater		W	2000	2000
Dimensions (Width x H x Depth ) (without packaging)		mm	902 x 516 x 229	902 x 516 x 229
Weight (without packaging)		Kg	40	40
Sound power (indoor only) (EN 12102)	LWA	dB(A)	54	55
Degree of protection of casing			IP 20	IP20
Refrigerant gas		Tipo-Type	R410A	R410A
Overall heating potential	GWP	kgCO2 eq.	1975	1975
Refrigerant gas charge		kg	0,65	0,55
Power supply cable (no. of poles x section m2)			3 x 1,5	3 x 1,5

OPERATING LIMITS		
INDOOR AMBIENT TEMPERATURE	Maximum operating temperature in cooling mode	DB 35°C - WB 24°C
	Minimum operating temperature in cooling mode	DB 18°C
	Maximum operating temperature in heating mode*	DB 27°C
	Minimum operating temperature in heating mode*	-
OUTDOOR AMBIENT TEMPERATURE	Maximum operating temperature in cooling mode	DB 43°C - WB 32°C
	Minimum operating temperature in cooling mode	DB -10°C
	Maximum operating temperature in heating mode*	DB 24°C - WB 18°C
	Minimum operating temperature in heating mode*	DB -15°C

(1) TEST CONDITIONS: data refer to regulation EN14511

\*\*Thanks to the fact that the same centre distance of air inlet and outlet holes has been maintained and that installation with 162 mm holes is also possible, the units in the Unico and Unico Inverter range can easily replace the Unico Star and Unico Sky models previously installed.